



### Abstract

Numerous methods utilizing synthetic deformed bars and or high strength post tensioning bars to form earth retaining structures is provided. Methods of constructing the walls described herein are also included. Mechanically stabilized earth panel faced walls are described utilizing synthetic deformed bars or stainless steel grids to secure the wall facing. Numerous types of retaining structures of precast utilizing conventional precast concrete double tee sections in combination with synthetic deformed bars or high strength steel post tensioning bars or steel stress strand are also provided.